

INFORMATION DISCLOSURE CITATION

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Sheet 1 of 8

ATTY. DOCKET NO.
50223USCNT
APPLICATION NO.
10/085,418
APPLICANT
LOWE
FILING DATE:
February 28, 2002

Confirmation No.
4860
Group
1636

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		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES	NO
V	BD	WO 92/11376	9/9/1992	WIPO	C12N 15/56	C12N 9/42	<input type="checkbox"/>	<input type="checkbox"/>
	BE	WO 92/13070	8/6/1992	WIPO	C12N 15/00	C12N 15/10	<input type="checkbox"/>	<input type="checkbox"/>
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	BX	WO 98/53083	11/26/1998	WIPO	C12N 15/63	C12N 15/82	<input type="checkbox"/>	<input type="checkbox"/>
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	BZ	WO 99/32619	7/1/1999	WIPO	C12N 15/11	C12N 15/63	<input type="checkbox"/>	<input type="checkbox"/>
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L	CE	WO 94/17176	4/8/1994	WIPO	C12N 5/00	C12N 15/00	<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

C F	Assad et al, <i>Epigenetic repeat-induced gene silencing (RIGS) in Arabidopsis Plant Molecular Biology</i> , Vol. 22, No. 6 (1993) pp. 1067-1085
C H	Barry et al.. Methylation induced premeiotically in Ascobolus: coextension with DNA repeat lengths and effect on transcript elongation. <i>Proceedings of the National Academy of Sciences, USA</i> Vol. 90: (1993) pp.4557-4561.

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Josephine Batliner

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		Gaulcomb et al.. Mechanisms of pathogen-derived resistance to viruses in transgenic plants. <i>Plant Cell</i> Vol. 8: (1996) pp. 1833-1844.
CJ		Bevec et al, <i>Constitutive Expression of Chimeric Neo-Rev Response Element Transcripts Suppresses HIV-1 Replication in Human CD4⁺ T Lymphocytes</i> <i>Human Gene Therapy</i> , Vol. 5 (1994), p. 193-201
CK		Blomberg et al, <i>Control of replication of plasmid R1: the duplex between the antisense RNA, CopA, and its target, CopT, is processed specifically in vivo and in vitro by RNase III</i> <i>The European Molecular Biology Organization</i> , Vol. 9, No. 7, (1990) pp. 2331-2340
CL		Blume et al, <i>Identification of transposon-like elements in non-coding regions of tomato ACC oxidase genes</i> <i>Molecular and General Genetics</i> , Vol. 254 (3) (April 16, 1997), pp. 297-303
CM		Brantl, S. and Behnke, D., <i>Copy number control of the streptococcal plasmid pIP501 occurs at three levels</i> <i>Nucleic Acids Research</i> , Vol. 20, No. 3 (1992) pp. 395-400
CN		Braun and Hemenway, <i>Expression of amino-terminal portions or full-length viral replicase genes in transgenic plants confers resistance to potato virus X infection</i> <i>Plant Cell</i> Vol. 4 (1992) pp. 735-744.
CO		Brederode et al, <i>Replicase-mediated resistance to alfalfa mosaic virus</i> <i>Virology</i> Vol. 207 (1995) pp. 467-474.
CP		Cameron, F. and Jennings, P., <i>Specific gene suppression by engineered ribozymes in monkey cells</i> <i>Proceedings of the National Academy of Sciences, USA</i> , Vol. 86 (December 1989), pp. 9139-9143
CQ		Cameron, F.H. and Jennings, P.A., <i>Inhibition of gene expression by a short sense fragment</i> <i>Nucleic Acids Research</i> , Vol. 19, No. 3 (1991), pp. 469-475
CR		Carr et al <i>Resistance to tobacco mosaic virus induced by the 54-kDa gene sequence requires expression of the 54-kDa protein</i> <i>Molecular Plant-microbe interactions</i> Vol. 5 (1992) pp. 397-404.
CS		Chuah et al, <i>Inhibition of Human Immunodeficiency Virus Type-1 by Retroviral Vectors Expressing Antisense-TAR</i> <i>Human Gene Therapy</i> , Vol. 5 (December 1994), pp. 1467-1475
CT		Citron, M. and Schuster, H., <i>The c4 Repressors of Bacteriophages P1 and P7 Are Antisense RNAs</i> <i>Cell</i> , Vol. 62 (August 10, 1990), pp. 591-598
CU		Dale et al. <i>Intra- and intermolecular site-specific recombination in plant cells mediated by bacteriophage P1 recombinase</i> <i>Gene</i> Vol. 91: (1990) pp. 79-85
CV		de Carvalho Niebel et al. <i>Post-transcriptional cosuppression of 1,3-glucanase genes does not affect accumulation of transgene nuclear mRNA</i> <i>Plant Cell</i> Vol. 7: (1995) pp. 347-358
CW		Denoya et al, <i>Translational Autoregulation of ermC 23S rRNA Methyltransferase Expression in Bacillus subtilis</i> <i>Journal of Bacteriology</i> , Vol. 168, No. 3 (December 1986), pp. 1133-1141
CX		Dorer et al, <i>Transgene repeat arrays interact with distant heterochromatin and cause silencing in cis and trans.</i> <i>Genetics</i> 147: (1997) pp. 1181-1190.

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Konstantine Kotchou

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O 15 E JAN 15 2004 SEARCHED INDEXED MAILED PCT/US U.S. PATENT AND TRADEMARK OFFICE	Dorer, D.R. and Henikoff, S., <i>Expansions of Transgene Repeats Cause Heterochromatin Formation and Gene Silencing in Drosophila</i> <i>Cell</i> , Vol. 77 (July 1, 1994), pp. 993-1002
CZ	English et al, <i>Suppression of virus accumulation in transgenic plants exhibiting silencing of nuclear genes</i> <i>Plant Cell</i> Vol. 8: (1996) pp. 179-188
DA	Fire et al, <i>Production of antisense RNA leads to effective and specific inhibition of gene expression in C. elegans muscle</i> <i>Development</i> , Vol. 113 (1991), pp. 503-514
DB	Fire et al, <i>Potent and specific genetic interference by double-stranded RNA in Caenorhabditis elegans</i> <i>Nature</i> Vol. 391: (1998) pp. 806-811
DC	Gervais et al, <i>Multigene Antiviral Vectors Inhibit Diverse Human Immunodeficiency Virus Type 1 Clades</i> <i>Journal of Virology</i> , Vol. 71, No. 4 (April 1997), pp. 3048-3053
DD	Goodwin et al <i>Genetic and biochemical dissection of transgenic RNA-mediated virus resistance</i> <i>Plant Cell</i> 8: (1996) 95-105.
DE	Grierson, D, <i>Silent genes and everlasting fruits and vegetables</i> <i>Nature Biotechnology</i> , Vol. 14(7) (1996) pp. 828-829
DF	Hama et al, <i>Organization of the Replication Control Region of Plasmid ColIb-P9</i> <i>Journal of Bacteriology</i> , Vol. 172, No. 4 (April 1990), pp. 1983-1991
DG	Hamilton et al, <i>Antisense gene that inhibits synthesis of the hormone ethylene in transgenic plants</i> <i>Nature</i> , Vol. 346 (July 19, 1990), pp. 284-287
DH	Hamilton et al, "Post-transcriptional gene-silencing in tomato Mechanisms and Applications of Gene Silencing," 57 th Easter School Meeting date 1995, pps. 105-117; Ed: Grierson et al (Nottingham University Press, Nottingham, UK 1996)
DI	Hamilton, et al, <i>A transgene with repeated DNA causes high frequency, post-transcriptional suppression of ACC-oxidase gene expression in tomato</i> <i>The Plant Journal</i> , Vol. 15 (6) (1998), pp. 737-746
DJ	Hobbs et al <i>The effect of T-DNA copy number, position and methylation on reporter gene expression in tobacco transformants</i> <i>Plant Molecular Biology</i> Vol. 15: (1990) pp. 851-864
DK	Ingelbrecht et al, <i>Posttranscriptional silencing of reporter transgenes in tobacco corrects with DNA methylation</i> <i>Proceedings of the National Academy of Sciences, USA</i> Vol. 91: (October, 1994) pp. 10502-10506
DL	Jorgensen et al, <i>Do unintended antisense transcripts contribute to sense co-suppression in plants?</i> <i>Trends in Genetics</i> Vol. 15, No. 1 (January, 1999) pp. 11-12
DM	Kawcheck et al <i>Sense and antisense RNA-mediated resistance to potato leafroll virus in russet burbark potato plants</i> <i>Molecular Plant-microbe Interactions</i> Vol. 4, No. 3, (1991) pp. 247-253

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	TM	Kuroo, M. and Imanaka, T., <i>mRNA Secondary Structure in an Open Reading Frame Reduces Translation Efficiency in Bacillus subtilis subtilis</i> <i>Journal of Bacteriology</i> , Vol. 171, No. 7 (July 1989), pp. 4080-4082
	DO	Kumagai et al, <i>Cytoplasmic inhibition of carotenoid biosynthesis with virus-derived RNA</i> <i>Proceedings of the National Academy of Sciences, USA</i> Vol. 92: (1995) pp. 1679-1683
	DP	Lee et al, <i>Inhibition of Human Immunodeficiency Virus Type 1 in Human T Cells by a Potent Rev Response Element Decoy Consisting of the 13-Nucleotide Minimal Rev-Binding Domain</i> <i>Journal of Virology</i> , Vol. 68, No. 12 (December 1994), pp. 8254-8264
	DQ	Leech, et al, <i>Expression of myb-related genes in the moss, Physcomitrella patens</i> <i>The Plant Journal</i> , Vol. 3(1) (1993), pp. 51-61
	DR	Lindbo and Dougherty, <i>Pathogen-derived resistance to a potyvirus:immune and resistant phenotypes in transgenic tobacco expressing altered forms of a Potyvirus coat protein nucleotide sequence</i> <i>Molecular Plant-Microbe Interactions</i> Vol. 5, No. 2 (1992) pp. 144-153.
	DS	Lindbo and Dougherty, <i>Untranslatable transcripts of the tobacco etch virus coat protein gene sequence can interfere with tobacco etch virus replication in transgenic plants and protoplasts</i> <i>Virology</i> Vol. 189: (1992) pp. 725-733.
	DT	Lindbo et al, <i>Induction of a highly specific antiviral state in transgenic plants: implications for regulation of gene expression and virus resistance</i> <i>Plant Cell</i> Vol. 5, (1993) pp. 1749-1759
	DU	Lisziewicz et al, <i>Tat-Regulated Production of Multimerized TAR RNA Inhibits HIV-1 Gene Expression</i> <i>The New Biologist</i> , Vol. 3, No. 1 (January 1991), pp. 82-89
	DV	Lisziewicz, et al, <i>Inhibition of human immunodeficiency virus type 1 replication by regulated expression of a polymeric Tat activation response RNA decoy as a strategy for gene therapy in AIDS</i> <i>Proceedings of the National Academy of Sciences, USA</i> , Vol. 90 (September 1993), pp. 8000-8004
	DW	Lo et al, <i>Inhibition of Replication of HIV-1 by Retroviral Vectors Expressing tat-Antisense and Anti-tat Ribozyme RNA</i> <i>Virology</i> , Vol. 190 (1992), pp. 176-183
	DX	Longstaff et al, <i>Extreme resistance to potato virus X infection in plants expressing a modified component of the putative viral replicase</i> <i>European Molecular Biology Organization Journal</i> Vol. 12, No. 2 (1993) pp. 379-386.
	DY	Lovett, P.S., <i>Translational Attenuation as the Regulator of Inducible cat Genes</i> <i>Journal of Bacteriology</i> , Vol. 172, No. 1 (January 1990), pp. 1-6
	DZ	Marathe and Marton, <i>Cis-repeat induced gene silencing in Tobacco</i> <i>In Vitro Cellular and Developmental Biology</i> , Vol.33, no. 3, Part II, Abstract P-1041, March 1997.
	EA	Marathe and Rajendra, "Cis-repeat induced gene silencing in tobacco," Ph.D. Thesis, Department of Biological Sciences, University of South Carolina, Fall 1997.
	EB	Matzke and Matzke, <i>How and why do plants inactivate homologous (Trans)genes?</i> <i>Plant Physiology</i> Vol. 107: (1995) pp. 679-685.
✓	EC	Matzke et al. (1998). <i>Epigenetic silencing of plant transgenes as a consequence of diverse cellular defence responses</i> <i>Cell Mol. Life Sci.</i> Vol. 54(1998) pp. 94-103.

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<input checked="" type="checkbox"/> K	Memelink et al, <i>Structure and regulation of tobacco extensin</i> <i>The Plant Journal</i> Vol. 4 (6), (1993) pp. 1011-1022
EE	Metzlaff et al, <i>RNA-Mediated RNA degradation and chalcone synthase A silencing in Petunia</i> <i>Cell</i> Vol. 88 (March 21, 1997) pp. 845-854.
EF	Montgomery and Fire, <i>RNA as a target of double-stranded RNA-mediated genetic interference in Caenorhabditis elegans</i> <i>Proceedings of the National Academy of Sciences. USA</i> Vol. 95: (1998a) pp. 15502-07
EG	Montgomery and Fire, <i>Double-stranded RNA as a mediator in sequence-specific genetic silencing and co-suppression</i> <i>Trends in Genetics</i> Vol. 14, No. 7 (1998) pp. 255-258.
EH	Mueller et al., <i>Homology-dependent resistance:transgenic virus resistance in plants related to homology-dependent gene silencing</i> <i>Plant Journal</i> Vol. 7, No. 6 (1995) pp. 1001-1003.
EI	Nellen, W. and Lichtenstein C., <i>What makes an mRNA anti-sense-itive?</i> <i>Trends in Biochemical Sciences</i> , Vol. 18 (November 1993), pp. 419-423
EJ	Notice of Opposition of Australian Patent Application #74442/98 (747872), by Commonwealth Scientific and Industrial Research Organization (CSIRO), August 23, 2002
EK	Notice of Opposition of Australian Patent Application No. 74442/98 (747872) by Benitec Australia Ltd., August 23, 2002
EL	Pang et al, <i>Post-transcriptional transgene silencing and consequent tospovirus resistance in transgenic lettuce are affected by transgene dosage and plant development.</i> <i>Plant Journal</i> Vol. 9: (1996) pp. 899-909.
EM	Powell et al, <i>Protection against tobacco mosaic virus infection in transgenic plants requires accumulation of coat protein rather than coat protein RNA sequences</i> <i>Virology</i> Vol. 175: (1990) pp. 124-130.
EN	Powell-Abel et al, <i>Delay of disease development in transgenic plants that express the tobacco mosaic virus coat protein gene</i> <i>Science</i> Vol. 232: (1986) pp. 738-743.
EO	Proud, C., <i>PKR: a new name and new roles</i> <i>Trends in Biochemical Sciences</i> , Vol. 20 (June 1995), pp. 241-246
EP	Que et al, <i>Distinct patterns of pigment suppression are produced by allelic sense and antisense chalcone synthase transgenes in petunia flowers</i> <i>The Plant Journal</i> Vol. 13, No. 3 (1998) pp. 401-409
EQ	Ratcliff et al, <i>A Similarity Between Viral Defense and Gene Silencing in Plants</i> <i>Science</i> , Vol. 276 (June 6, 1997), pp. 1558-1560
ER	Schiebel et al, <i>RNA-directed RNA polymerase from tomato leaves</i> <i>Journal of Biological Chemistry</i> , Vol. 263: (1993a) pp. 11851-11857
ES	Schiebel et al, <i>RNA-directed RNA polymerase from tomato leaves</i> <i>Journal of Biological Chemistry</i> , Vol. 263: (1993b) pp. 11858-11867
✓ ET	Sijen et al, <i>RNA-Mediated Virus Resistance: Role of Repeated Transgenes and Delineation of Targeted Regions</i> <i>The Plant Cell</i> , Vol. 8 (December 1996), pp. 2277-2294

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		Smith et al. (1994). <i>Transgenic plant virus resistance mediated by untranslatable sense RNAs: Expression, regulation, and fate of nonessential RNAs</i> <i>Plant Cell</i> , Vol. 6: (1994) pp. 1441-1453.
	EV	Stam et al, <i>Post-transcriptional silencing of chalcone synthase in Petunia by inverted transgene repeats</i> <i>The Plant Journal</i> , Vol. 12(1), (1997), pp. 63-82
	EW	Stam et al, <i>The silence of Genes in Transgenic Plants</i> <i>Annals of Botany</i> Vol. 79: (1997) pp. 3-12
	EX	Statement of Ground and Particulars filed by Benitec Australia Ltd. Opposing Australian Patent Application No. 747872, Dated November 22, 2002
	EY	Statement of Grounds and Particulars by CSIRO opposing Australian Patent Application 747872, Dated November 25, 2002
	EZ	Sullenger et al, <i>Analysis of trans-Acting Response Decoy RNA-Mediated Inhibition of Human Immunodeficiency Virus Type 1 Transactivation</i> <i>Journal of Virology</i> , Vol. 65, No. 12 (December 1991), pp. 6811-6816
	FA	Sullenger et al, <i>Overexpression of TAR Sequences Renders Cells Resistant to Human Immunodeficiency Virus Replication</i> <i>Cell</i> , Vol. 63 (November 2, 1990), pp. 601-608
	FB	Sun et al, <i>Resistance to human immunodeficiency virus type 1 infection conferred by transduction of human peripheral blood lymphocytes with ribozyme, antisense, or polymeric trans-activation response element constructs</i> <i>Proceedings of the National Academy of Sciences, USA</i> , Vol. 92 (August 1995), pp. 7272-7276
	FC	Sun, et al, <i>Ribozyme-mediated suppression of Moloney murine leukemia virus and human immunodeficiency virus type I replication in permissive cell lines</i> <i>Proceedings of the National Academy of Sciences, USA</i> , Vol. 91 (October 1994), pp. 9715-9719
	FD	Sun, et al, <i>Target sequence-specific inhibition of HIV-1 replication by ribozymes directed to tat RNA</i> <i>Nucleic Acids Research</i> , Vol. 23, No. 15 (1995), pp. 2909-2913
	FE	Tabara et al, <i>RNAi in C. elegans: soaking in the genome sequence</i> <i>Science</i> Vol. 282: (1998) pp. 430-431
	FF	Takahashi et al, <i>Development of necrosis and activation of disease resistance in transgenic tobacco plants with severely reduced catalase levels</i> <i>The Plant Journal</i> , Vol. 11(5) (1997), pp. 993-1005
	FG	Ten et al, <i>A repetitive DNA fragment carrying a hot spot for de novo DNA methylation enhances expression variegation in tobacco and petunia</i> <i>Plant Journal</i> , Vol. 8, No. 6 (1995) pp. 919-932
	FH	Thompson et al, <i>Improved accumulation and activity of ribozymes expressed from a tRNA-based RNA polymerase III promoter</i> <i>Nucleic Acids Research</i> , Vol. 23, No. 12 (1995), pp. 2259-2268
	FI	Timmons and Fire, <i>Specific interference by ingested dsRNA</i> <i>Nature</i> , Vol. 395: (1998) pp. 854.
	FJ	Vaucheret et al, <i>Inhibition of tobacco nitrite reductase activity by expression of antisense RNA</i> <i>The Plant Journal</i> , Vol. 2(4) (1992), pp. 559-569
W	FK	Wagner and Sun, <i>Double-stranded RNA poses puzzle</i> <i>Nature</i> , Vol. 391; (1998) pp. 744-745

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